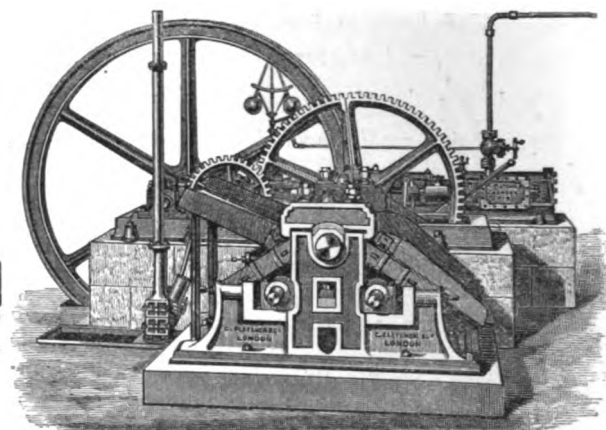
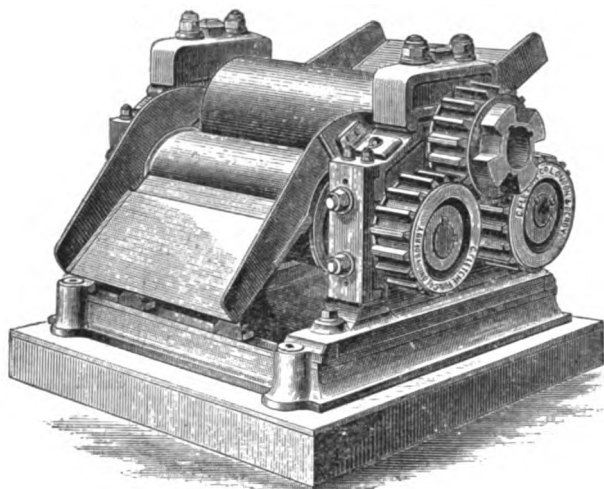


GEORGE FLETCHER AND CO.,
 21, BETTS STREET, ST. GEORGE'S EAST, LONDON,
 AND
MASSON WORKS, DERBY,



Makers of all kinds of Machinery for Sugar Plantations and Refineries, Boiler Makers, General Engineers, Millwrights, Brass and Iron Founders, Coppersmiths, and original introducers to the West Indies of the Multitubular Boiler, for placing at end of Copper Wall, &c.

Amongst the articles made at our Works, we may enumerate :

Multitubular, Cornish, and other Steam Boilers of every description.
 Improved Steam Apparatus for Cleaning Tubes of Multitubular Boilers.
 Feed-Water Heaters.
 Condensing, Compound, and High-pressure Engines.
 Donkey Engines.
 Distillery Engines, with Pumps.
 Vacuum Pumps and Engines.
 Wrought-Iron Water Wheels.
 Turbines.
 Horizontal Sugar Mills, with or without our improved Standard to enable the Rollers to be taken out at side. (Horizontal Mills with Rollers to take out at side were originally made by us in 1847.) Suitable Gearing.
 Sole Makers for West Indies, &c., of WHEELDON'S Patent Chilled Pinions.
 Steam Juice Trays.
 Vertical Mills, with Gearing.
 Juice Pumps.
 Tubular and other Steam Clarifiers.
 Circular Defecators of Copper, with Iron Jacket.
 Granulating Pans of every description.
 FLETCHER AND BROCKLEHURST'S Patent Steam Pan.
 Cattle Pumps.
 Central Factories fitted complete.
 Vacuum Pans (Cast Iron or Copper) with all accessories.

Also Manufacturers of Machinery for Coffee Plantations, Collieries, Cement Works, Breweries, Chemical Works, Rice Mills, Saw Mills, Felt Works ; Iron Buildings, Bridges, Girders, &c., &c.

Plans and Estimates of foregoing furnished on application.

"Triple Effect" Apparatus, with all accessories.
 Heaters.
 Scum Presses.
 Centrifugal Sugar Machines.
 Charcoal Filters, Bag Filters, Pug Mills, &c.
 Subsiders.
 All kinds of Apparatus for re-burning Animal Charcoal.
 JOHN FLETCHER'S Patent Retorts for ditto.
 Copper Rum Stills (Steam or Fire).
 Light Rails, Axles and Wheels for Megass Wagons.
 Locomotives of the most improved description.
 Rails and Chairs, &c., for same.
 Traction Engines.
 Batteries, with Furnace Work, Dippers, and Cranes.
 Montjus or Steam Syrup Chargers (SKEKEL'S).
 Improved Feed Donkeys. (*See Special List.*)
 Cane Punts, with or without Pine bottoms.
 Draining Machinery, Scoop Wheels, &c.
 LAWRENCE AND PORTER'S Patent Centrifugal Pump (sole makers, GEORGE FLETCHER AND CO.). This Pump is superior to anything of the kind hitherto made, both for simplicity and effective power ; the cost also being less. (*See Special List.*)
 Cast and Wrought Iron Tanks.
 SKEKEL'S Patent Furnace Feeder (Iron Fireman).
 All other Machinery used on Sugar Plantations, such as Wheels, Pinions, Cranes, Crabs, Tools, &c.

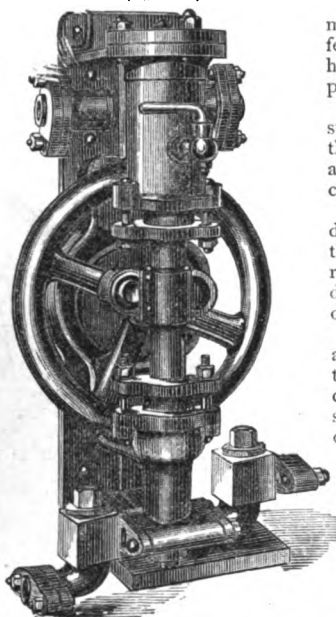
GEORGE FLETCHER AND CO.,

ENGINEERS AND BOILER MAKERS,

21, BETTS STREET, ST. GEORGE'S EAST, LONDON ; AND MASSON WORKS, DERBY.

GEORGE FLETCHER AND CO.'S SPECIAL DONKEY FEED PUMPS.

Nos. 2, 3, and 4.



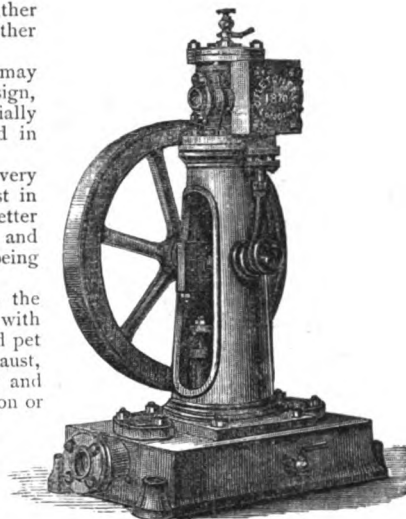
The design of these Pumps is expressly made to fill a want which has long been felt for a Boiler Feeder suitable for either hot or cold water, as well as for all other purposes.

In recommending this Pump, we may state that it is of the most simple design, the working parts being few and specially arranged so as to be easily removed in case of accident or repairs.

For forcing or raising liquids of every description, these Pumps are the best in the market, and will certainly give better results, both as regards efficiency and durability, than any other now being offered to the notice of Steam users.

These Feed Donkeys are made to the annexed Engravings, and we include with them for prices quoted, grease cup and pet cocks, chased flanges for steam, exhaust, suction, and discharge, also packing and delivery for shipment in either London or Liverpool. It will be found that our prices compare favourably with those quoted by other makers, although the strength and finish of our Pumps are vastly superior to those usually offered.

Nos. 5 and 6.



SIZE, &c.	No.	2	3	4	5	6
Diameter of Cylinder .. Inches		2½	3½	4½	4¾	6
„ Plunger .. „		1½	2	2½	3	4
Stroke .. „		3	4	5	5	8
Gallons raised per hour		115	290	480	700	1700
Horse-power of Boiler supplied ..		10	25	40	60	150
Price, Pounds sterling		£12 16s.	£16	£22 10s.	£30	£42 10s.

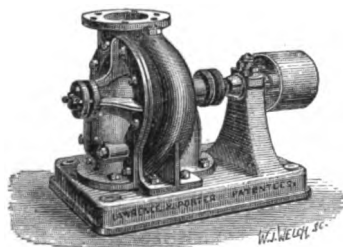
PRICES OF LARGER SIZES FURNISHED ON APPLICATION.

The quantities of water given by the various Pumps are such as they will throw when working at a moderate and steady speed, and not at their maximum. The horse-power of the Boilers is merely nominal, as the quantity of water allowed is at least double that required per effective horse-power.

LAWRENCE AND PORTER'S PATENT CENTRIFUGAL PUMPS AND PUMPING ENGINES.

SOLE MAKERS:

**GEORGE FLETCHER AND CO.,
LONDON AND DERBY.**



See 'Engineering,' May 28th and August 6th; and 'The British Trade Journal.'

SPECIALITIES—Increased Duty, Simplicity of Construction, Disc removable without disturbing Pipes, Economy of Space, Reduction of Prices.

Full Particulars on application.



PRICES OF PUMPS AND FOOT VALVES.

Diameter of Suction and Delivery Pipe in inches.	Approximate Quantity of Water in Gallons per Minute.	Pumps with One Standard and One Pulley.	Pumps with Two Standards and One Pulley.	Pumps with Two Standards and Two Pulleys.	Foot Valves and Gratings.
3	75 and upwards	£ 12 15 0	£ 14 15 0	£ 16 10 0	£ 1 12 6
4	200 „	16 0 0	18 10 0	19 5 0	2 5 0
5	300 „	21 0 0	24 5 0	25 5 0	3 3 0
6	500 „	25 0 0	29 0 0	30 0 0	4 0 0
8	800 „	34 0 0	39 0 0	41 0 0	5 10 0

PRICES FOR LARGER SIZES ON APPLICATION.